

SWITCH DEVICE

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Inventor(s): TERAJIMA JUNICHI; others: 01
Applicant(s): SEGA ENTERPL LTD

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EC Classification:

Equivalents:

Abstract

PURPOSE: To provide the switch device from which lots of information is provided without selection of commands.

CONSTITUTION: The switch device 1 outputs an electric signal depending on a switch manipulated variable of a switch and its operation time, and the electric signal is given to an information processing unit 7. The switch 1 is made up of a switch 3 generating a signal related to a manipulated variable when in operation and a signal output means 5 for converting the signal of the manipulated variable of the switch 3 into a signal related to its operation time. A button 14 is fixed movably vertically to a cover 13 of the switch 3 a movable contact 15 is fixed to a lower end of the button 14 and always energized to an upper position by a coil spring or the like. Semicircular conductors 18 are arranged at a gap 19 opposite the movable contact 15 made of a conductive rubber G having a prescribed resistance and they form a disk as a whole. Then a change in the resistance between both the semicircular conductors 18 is outputted from the switch 3 as a signal related to the manipulated variable and the signal output means 5 outputs a signal relating its operation time.

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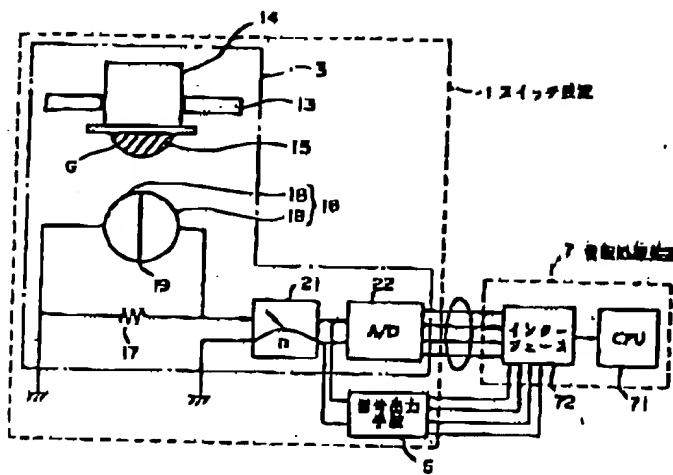
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7 情報処理装置
 9 情報処理装置
 71 CPU
 72 インターフェース
 81 CPU
 82 インターフェース
 13 カバー
 14 ボタン
 15, 15c, 15d 可動接点
 15a 可動磁石

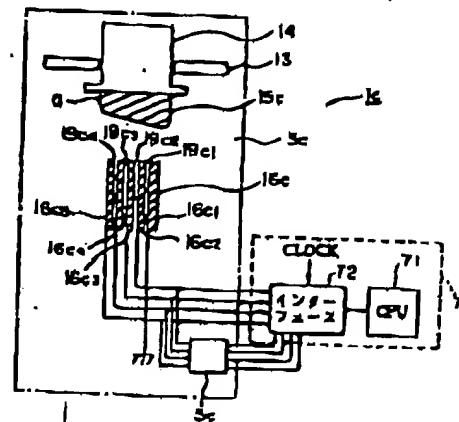
* 15b 可動電極
 16, 16c, 16d 固定接点
 16a 固定コイル
 16b 固定電極
 16c1, 16c2, 16c3, 16c4, 16c5 電極
 16d1, 16d2, 16d3, 16d4, 16d5 磁石
 19 間隔
 19c1, 19c2, 19c3, 19c4 間隔
 19d1, 19d2, 19d3, 19d4 間隔

*10

【図1】



【図7】



【図2】

